

Lower Arm - Raptor

Base Part Number: Base Part Number: 3051

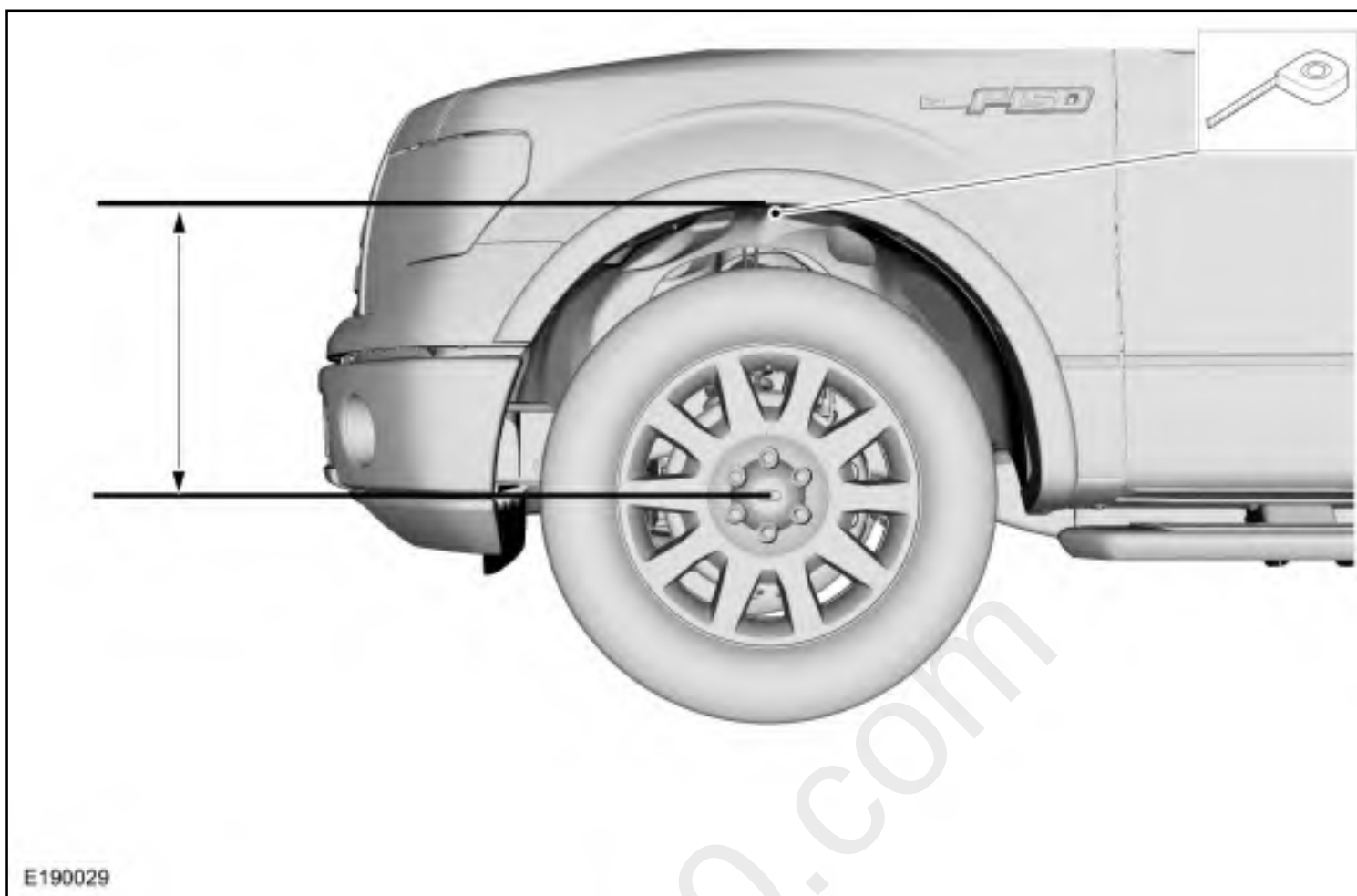
Special Tool(s) / General Equipment

	204-592 Separator, Lower Arm Ball Joint TKIT-2006C-FFMFLM TKIT-2006C-LM TKIT-2006C-ROW
Vehicle/Axle Stands	

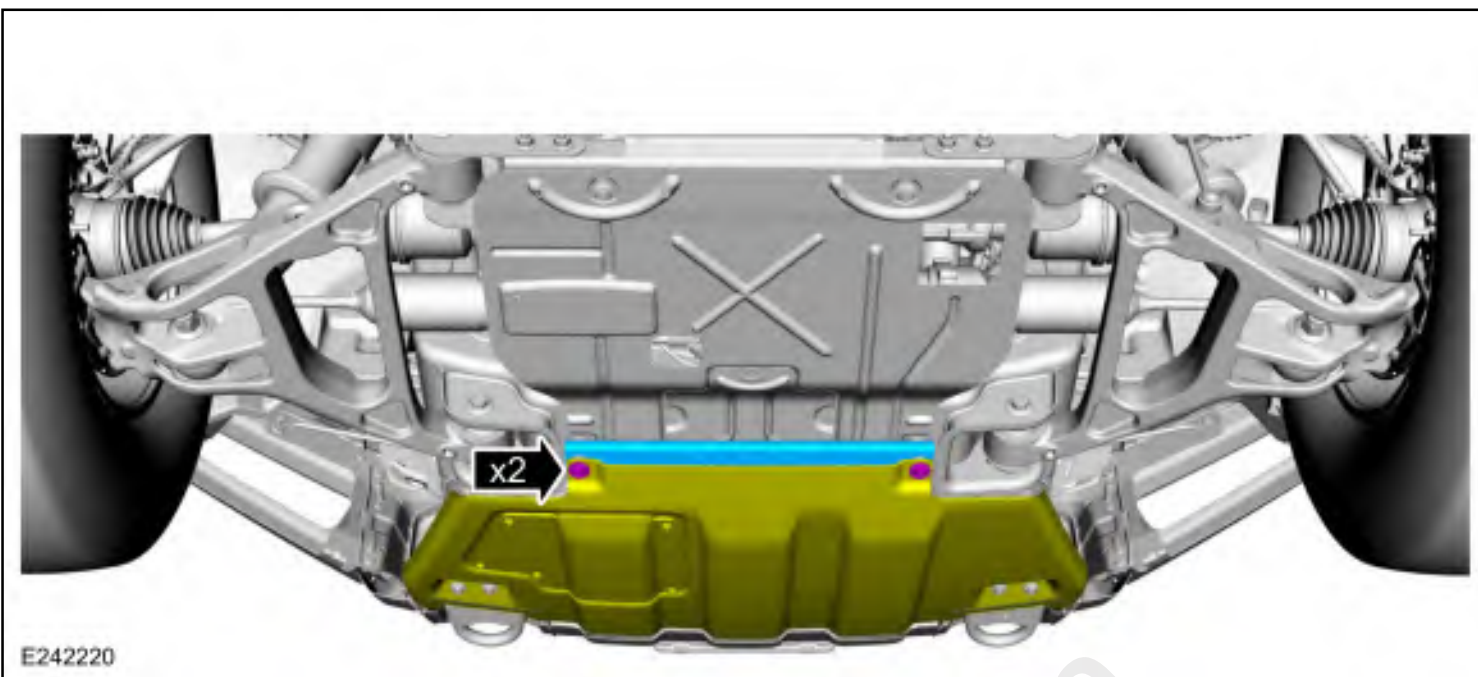
Removal

NOTICE: Suspension fasteners are critical parts that affect the performance of vital components and systems. Failure of these fasteners may result in major service expense. Use the same or equivalent parts if replacement is necessary. Do not use a replacement part of lesser quality or substitute design. Tighten fasteners as specified.

1. Measure the distance from the center of the hub to the lip of the fender with the vehicle in a level, static ground position (curb height).



2. Remove the wheel and tire.
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
3. If equipped.
Remove the skid plate rear retainers and remove the spacer.

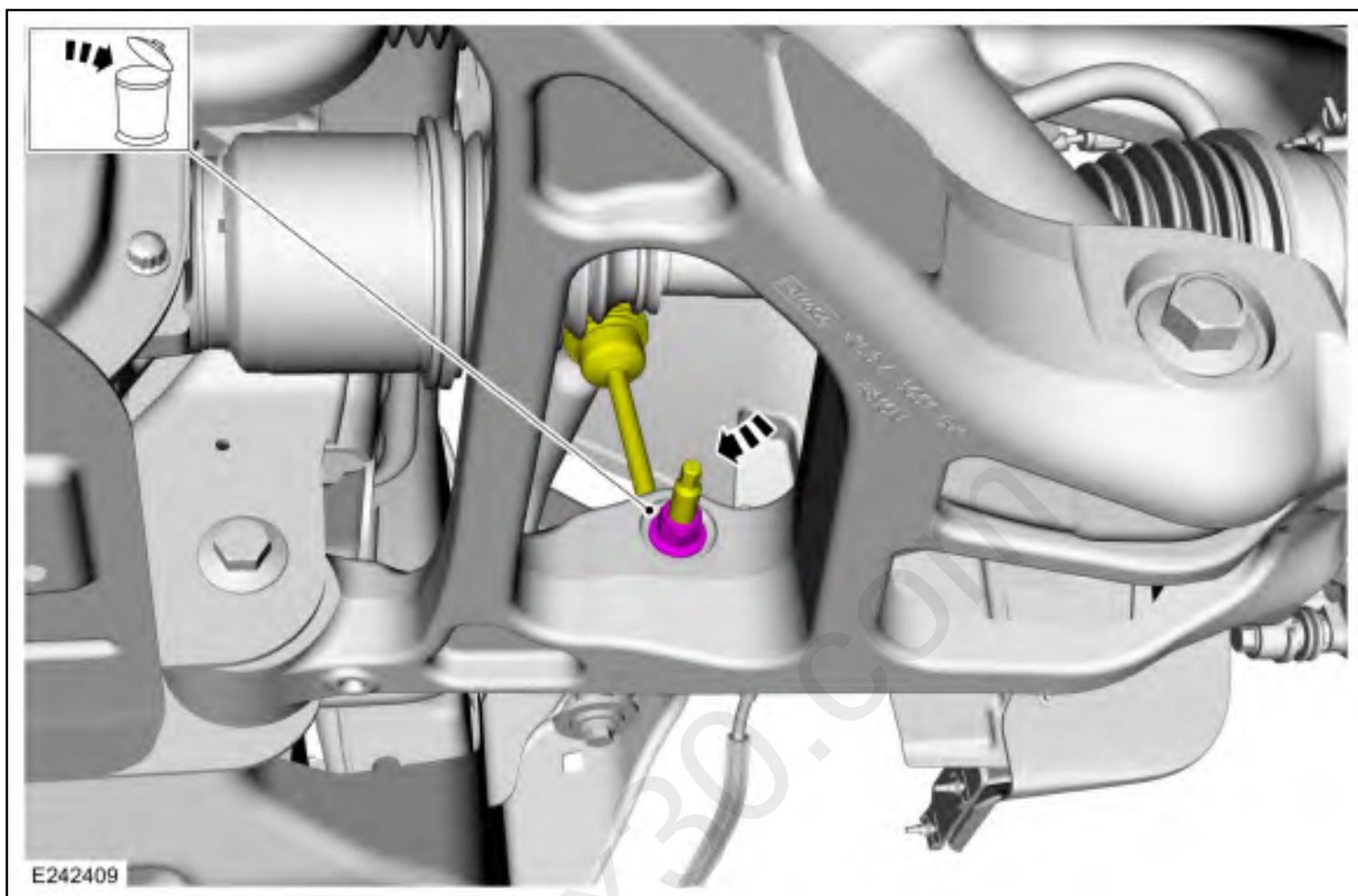


4. If equipped.
Remove the retainers and the skid plate.

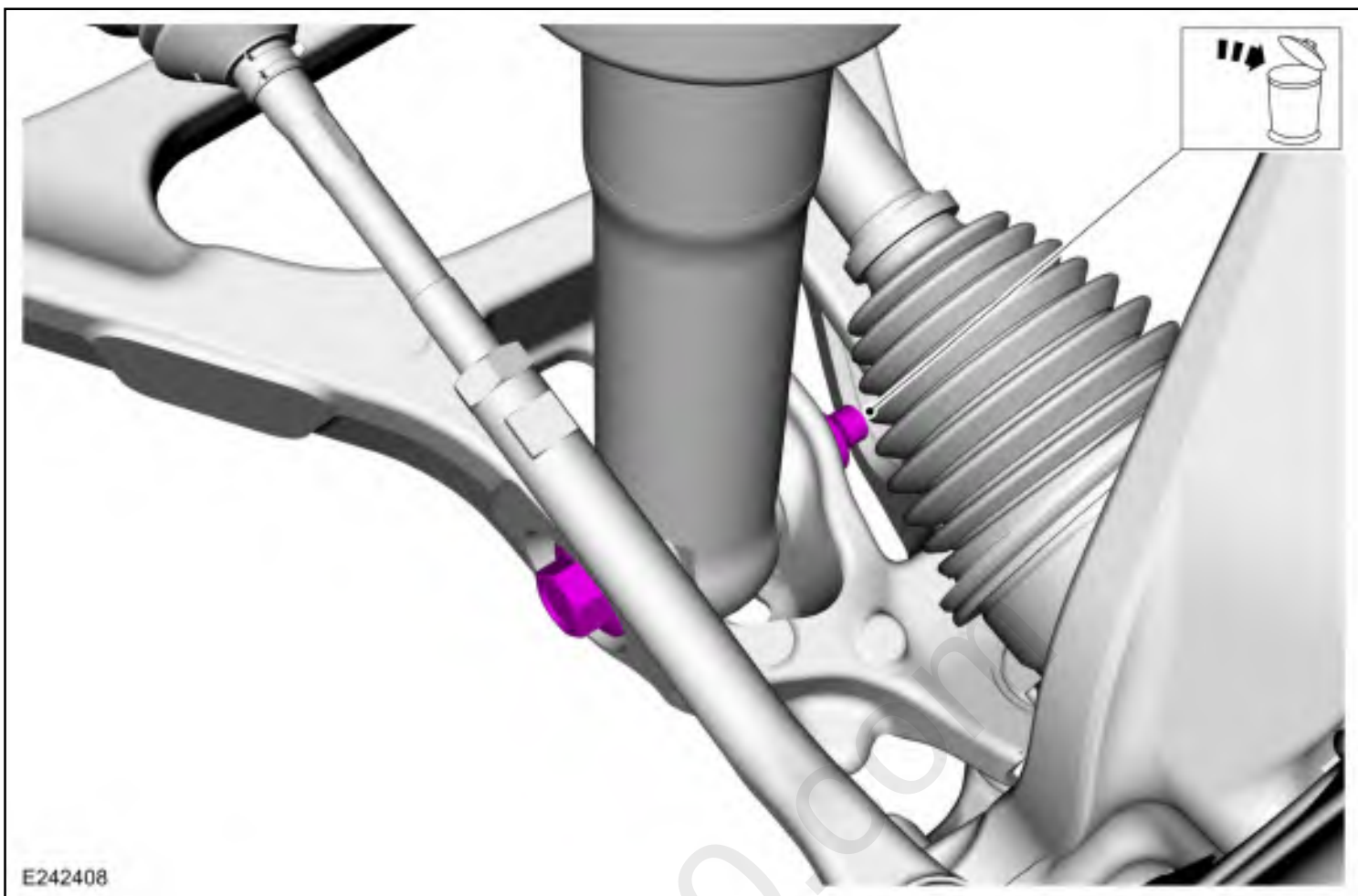


5. **NOTE:** Use the hex-holding feature to prevent the stud from turning while removing the nut.

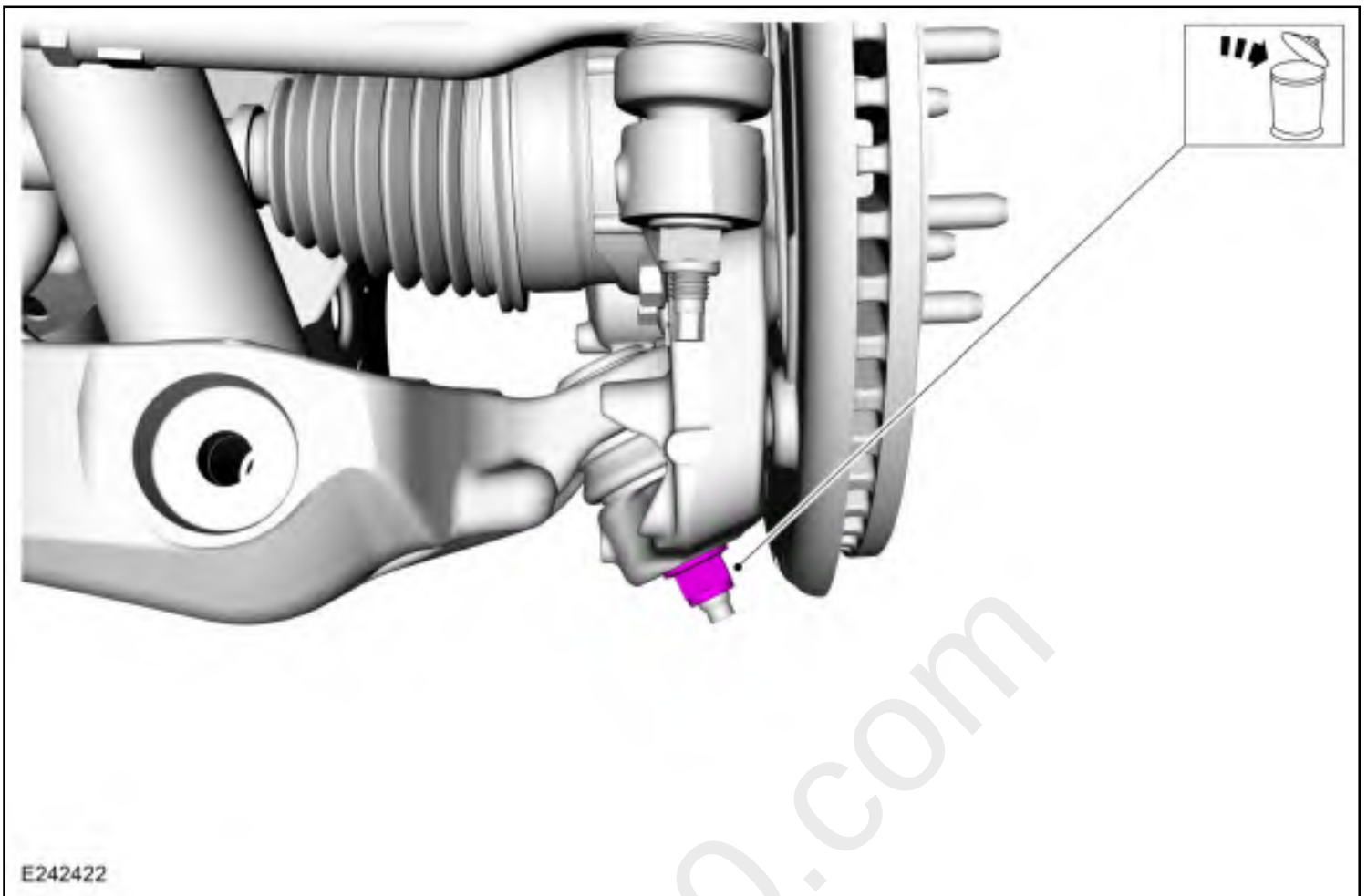
Remove and discard the front stabilizer bar link lower nut and position the stabilizer bar link aside.



6. Remove and discard the lower shock absorber nut and bolt.



7. Remove and discard the lower ball joint nut.

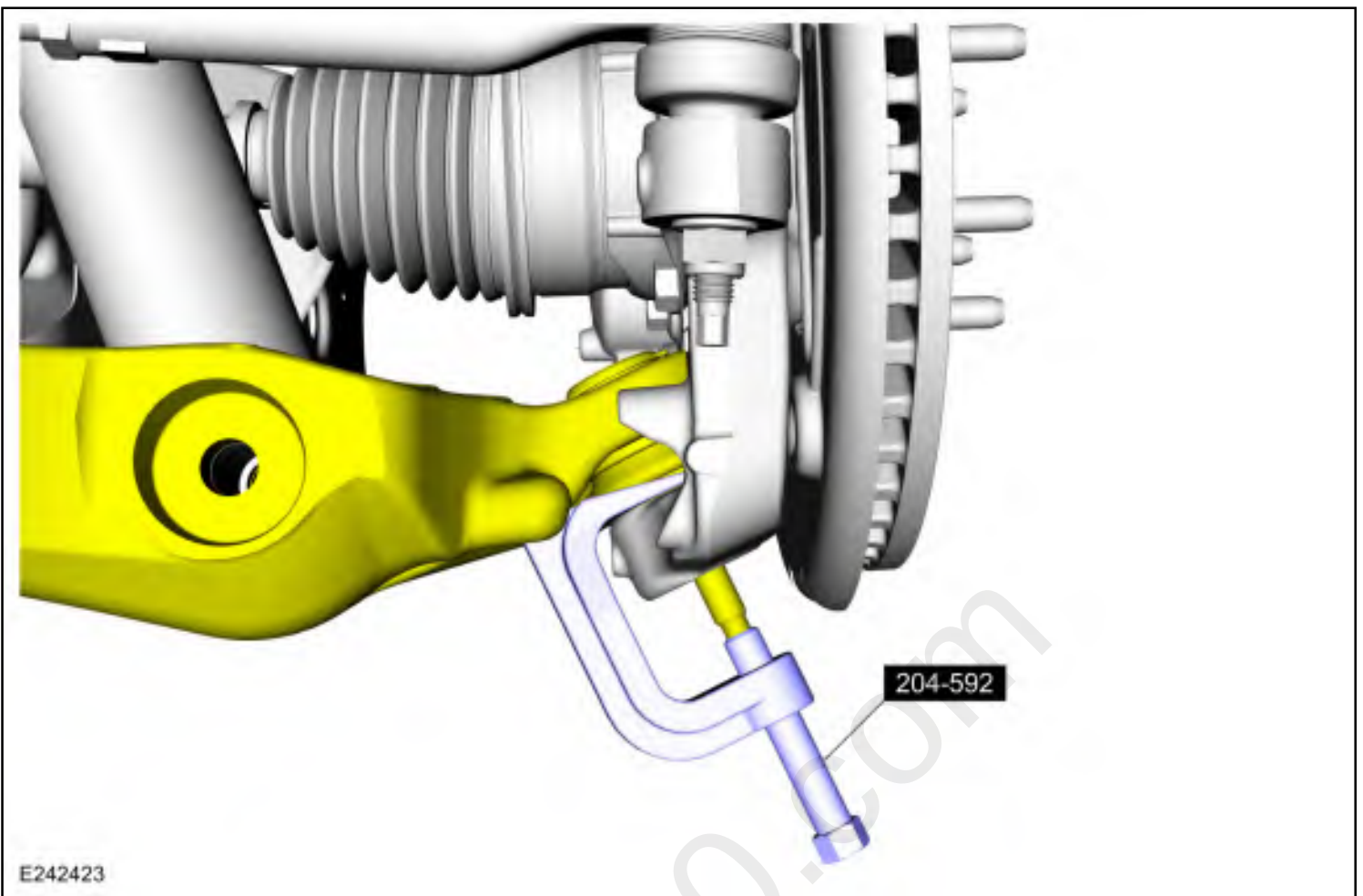


8. **NOTICE:** Do not use a prying device or separator fork between the ball joint and the wheel knuckle. Damage to the ball joint or ball joint seal may result.

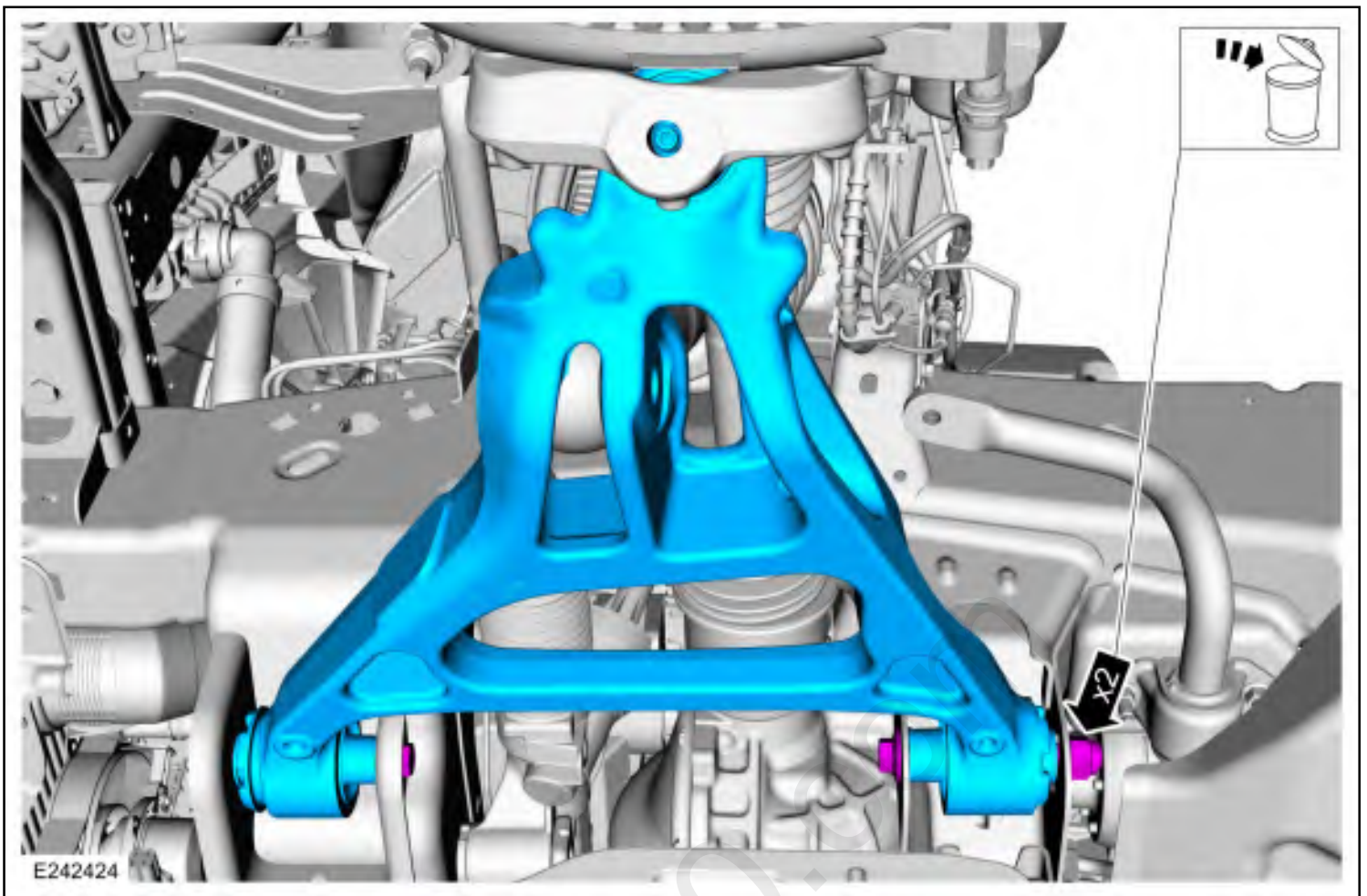
NOTICE: Use care when releasing the lower arm and wheel knuckle into the resting position or damage to the ball joint seal may occur.

Separate the lower ball joint from the wheel knuckle.

Use Special Service Tool: 204-592 Separator, Lower Arm Ball Joint.



9. Remove and discard the lower arm nuts and bolts and remove the lower arm.

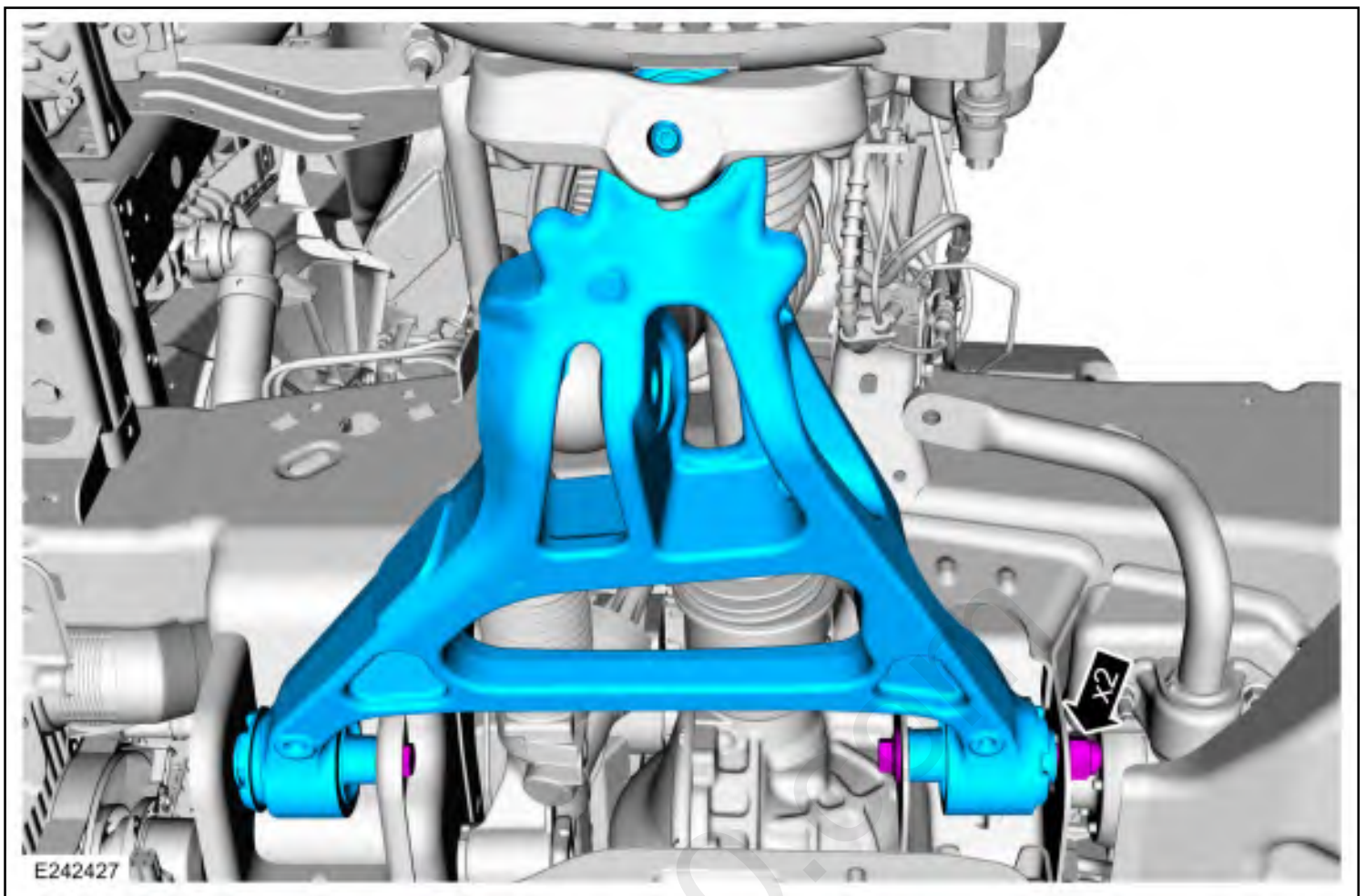


Installation

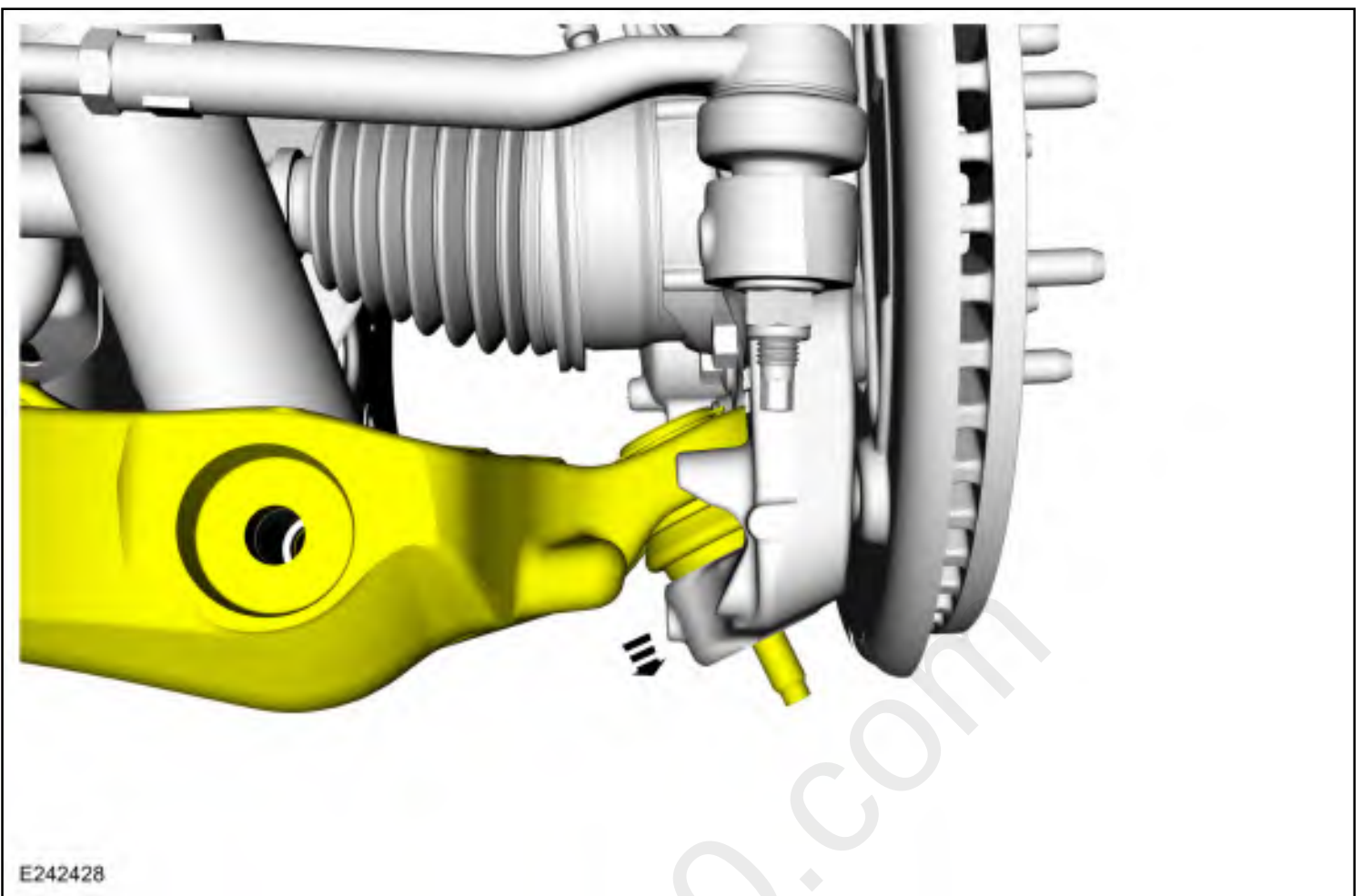
NOTICE: Tighten the suspension bushing fasteners with the suspension loaded or with the weight of the vehicle resting on the wheels and tires, otherwise incorrect clamp load and bushing damage may occur.

1. **NOTE:** Only tighten the nuts and bolts finger tight at this stage.

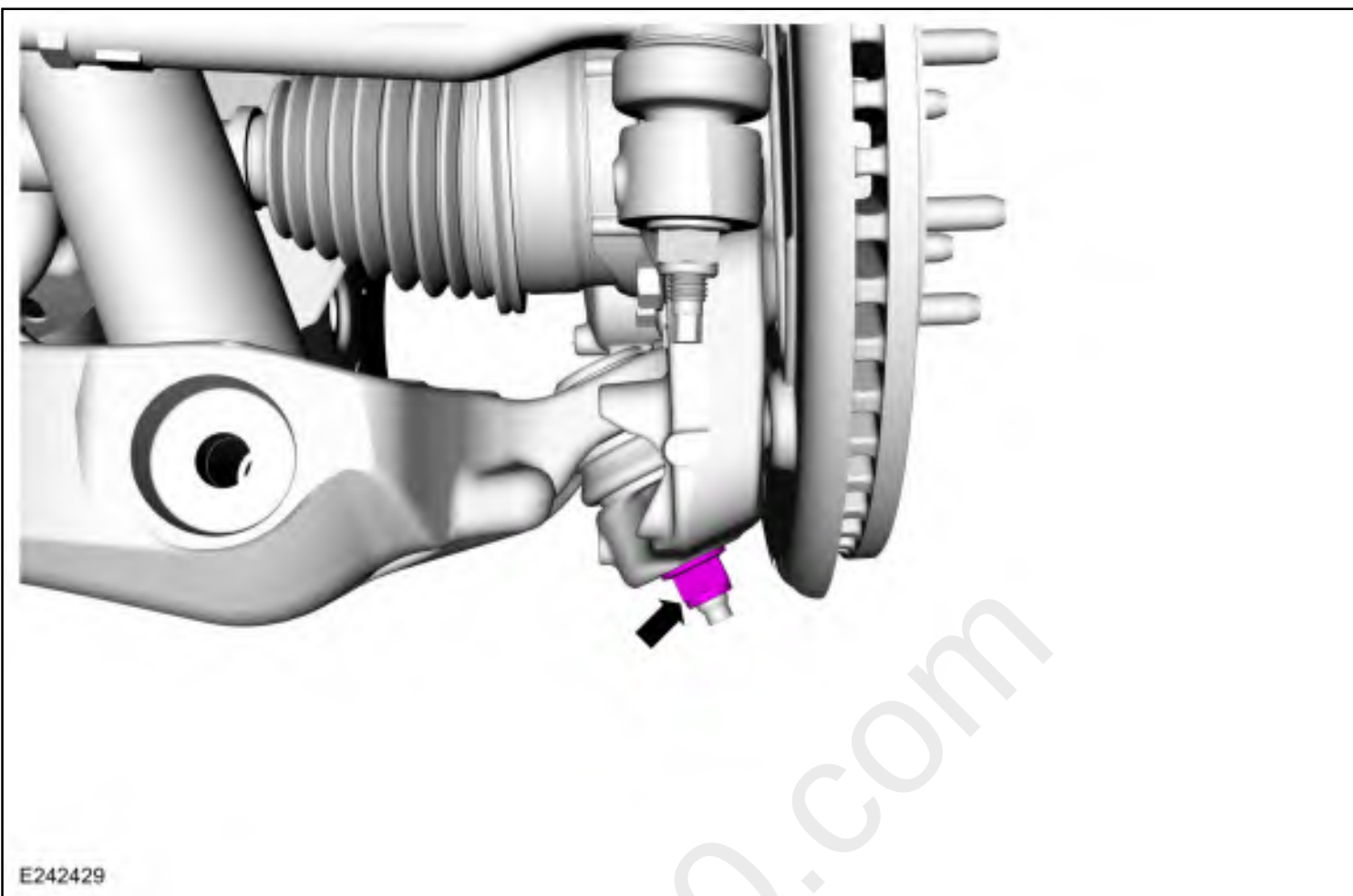
Position the lower arm and install the new lower arm bolts and nuts.



2. Attach the lower ball joint to the wheel knuckle.



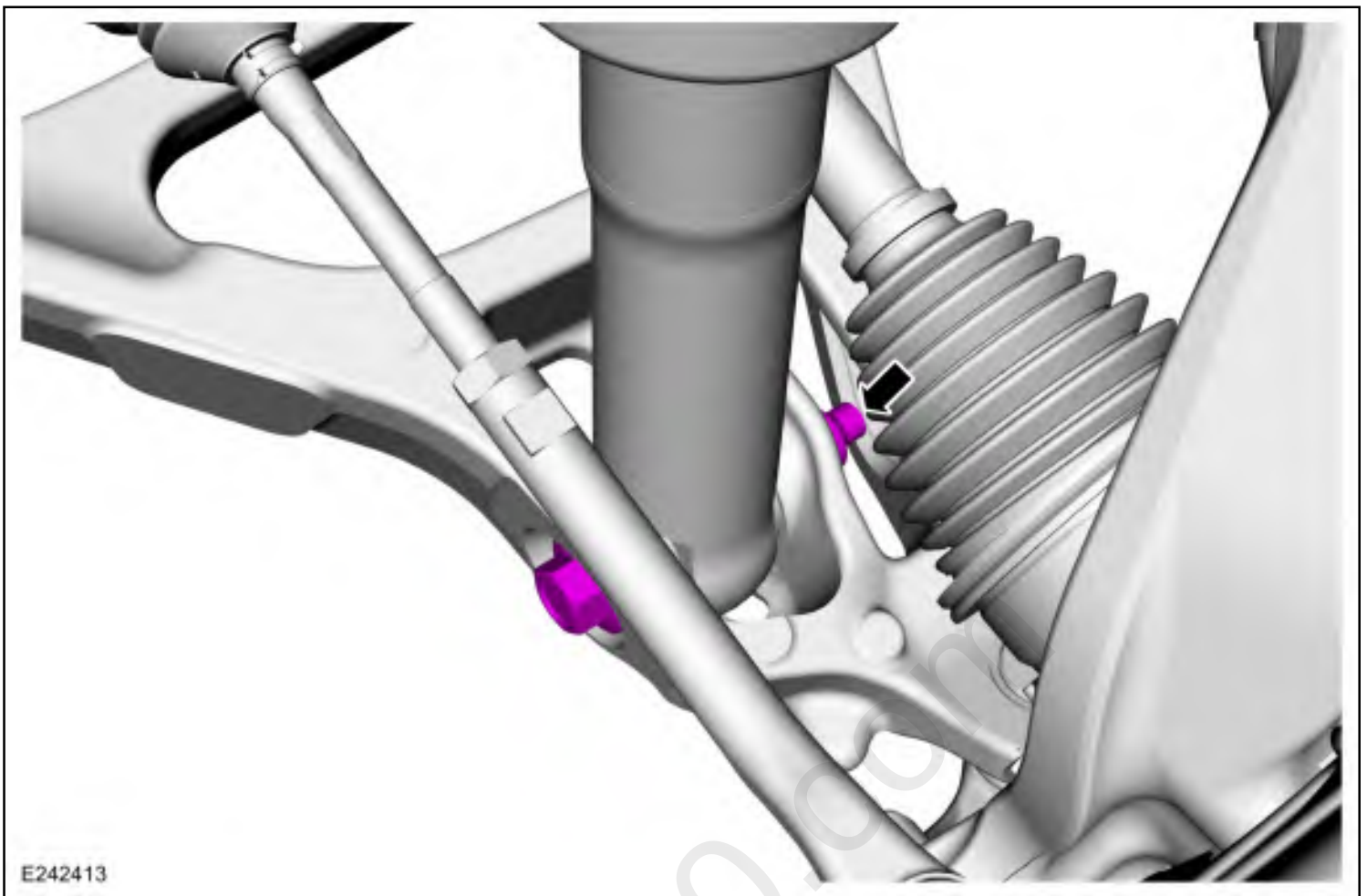
3. Install the new lower ball joint nut.
Torque: 76 lb.ft (103 Nm)



4. **NOTICE:** Do not tighten the lower shock nut and bolt until the installation procedure is complete and the weight of the vehicle is resting on the wheel and tire assemblies or incorrect clamp load and bushing damage may occur.

NOTE: Only tighten the nut and bolt finger tight at this stage.

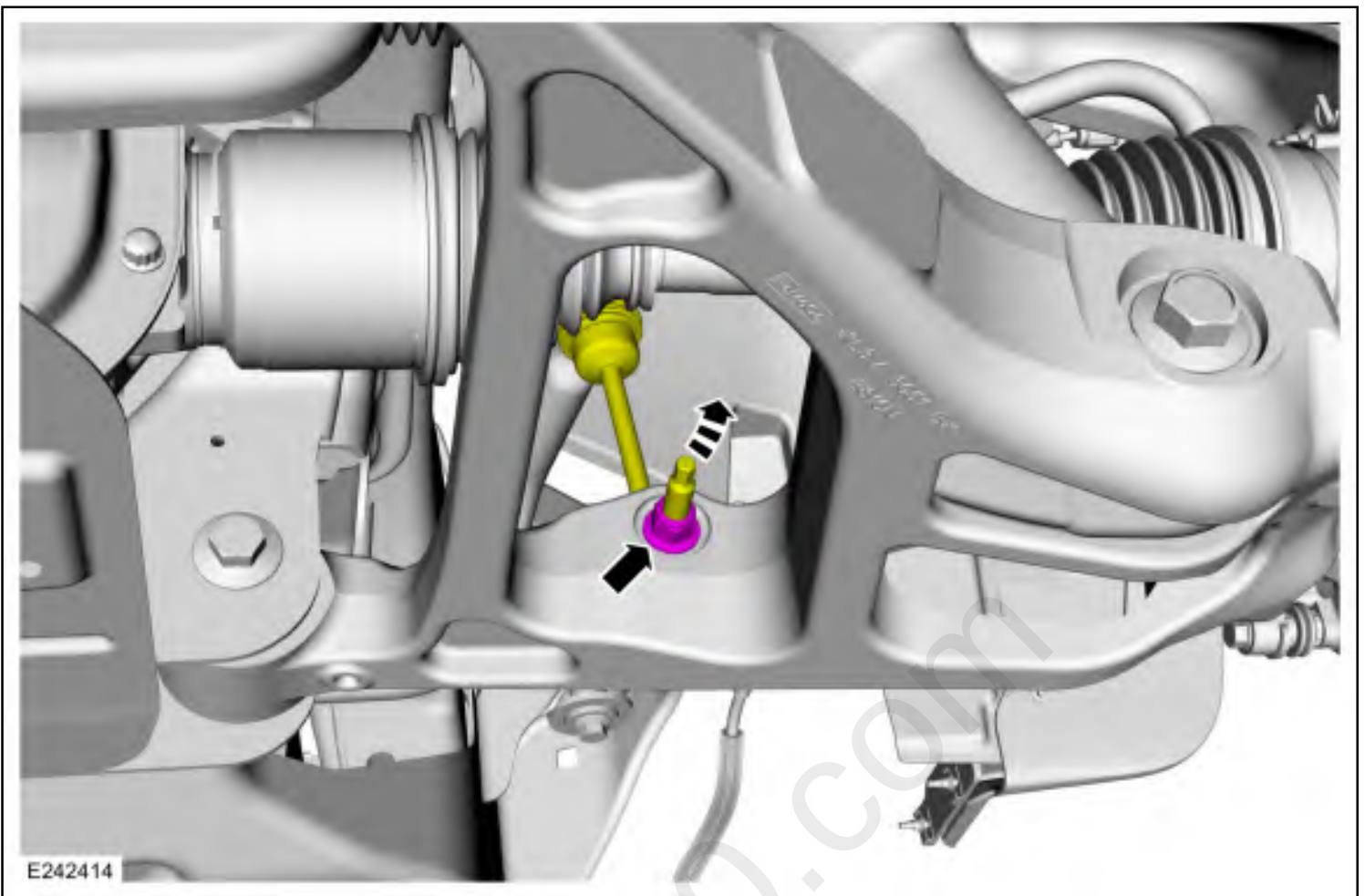
Install the new lower shock absorber nut and bolt.



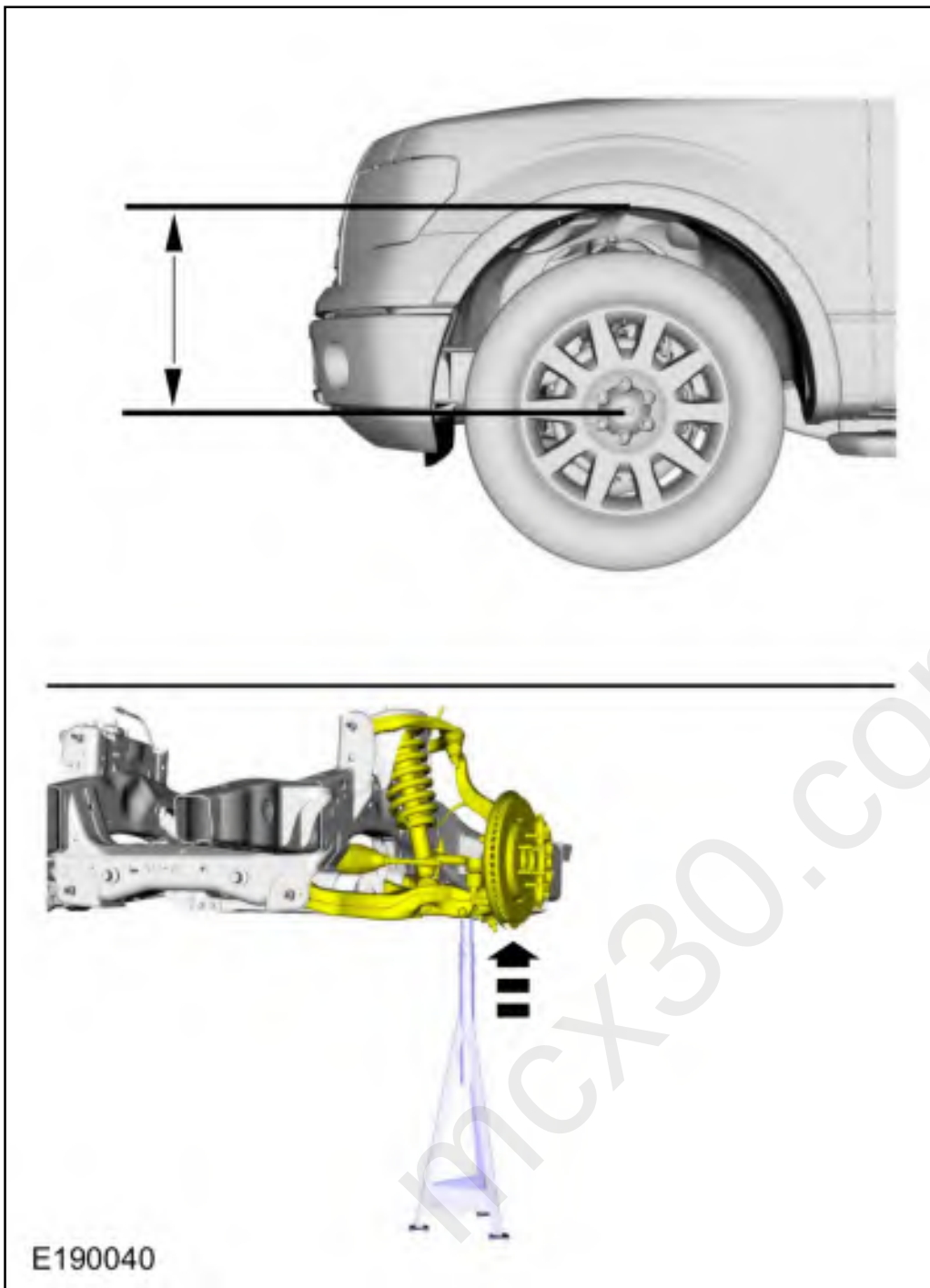
5. **NOTE:** Use the hex-holding feature to prevent the stud from turning while removing the nut.

Position the stabilizer bar link and install the new front stabilizer bar link lower nut.

Torque: 59 lb.ft (80 Nm)



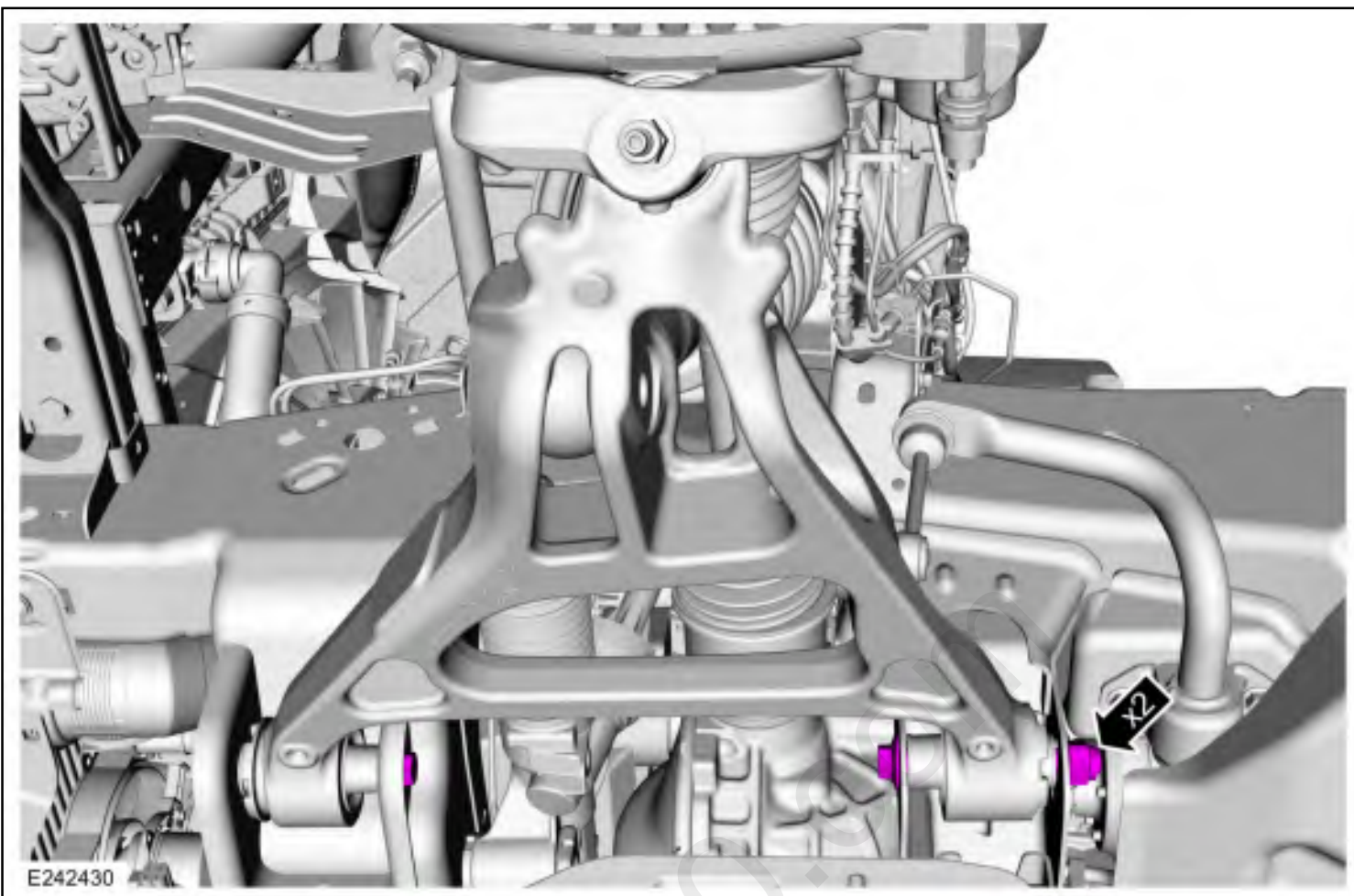
6. Use a suitable jack to raise the suspension until the distance between the center of the hub and the lip of the fender is equal to the measurement taken during removal (curb height).
Use the General Equipment: Vehicle/Axle Stands



7. **NOTE:** Only tighten the nuts and bolts finger tight at this stage.

Tighten the new lower arm bolts and nuts.

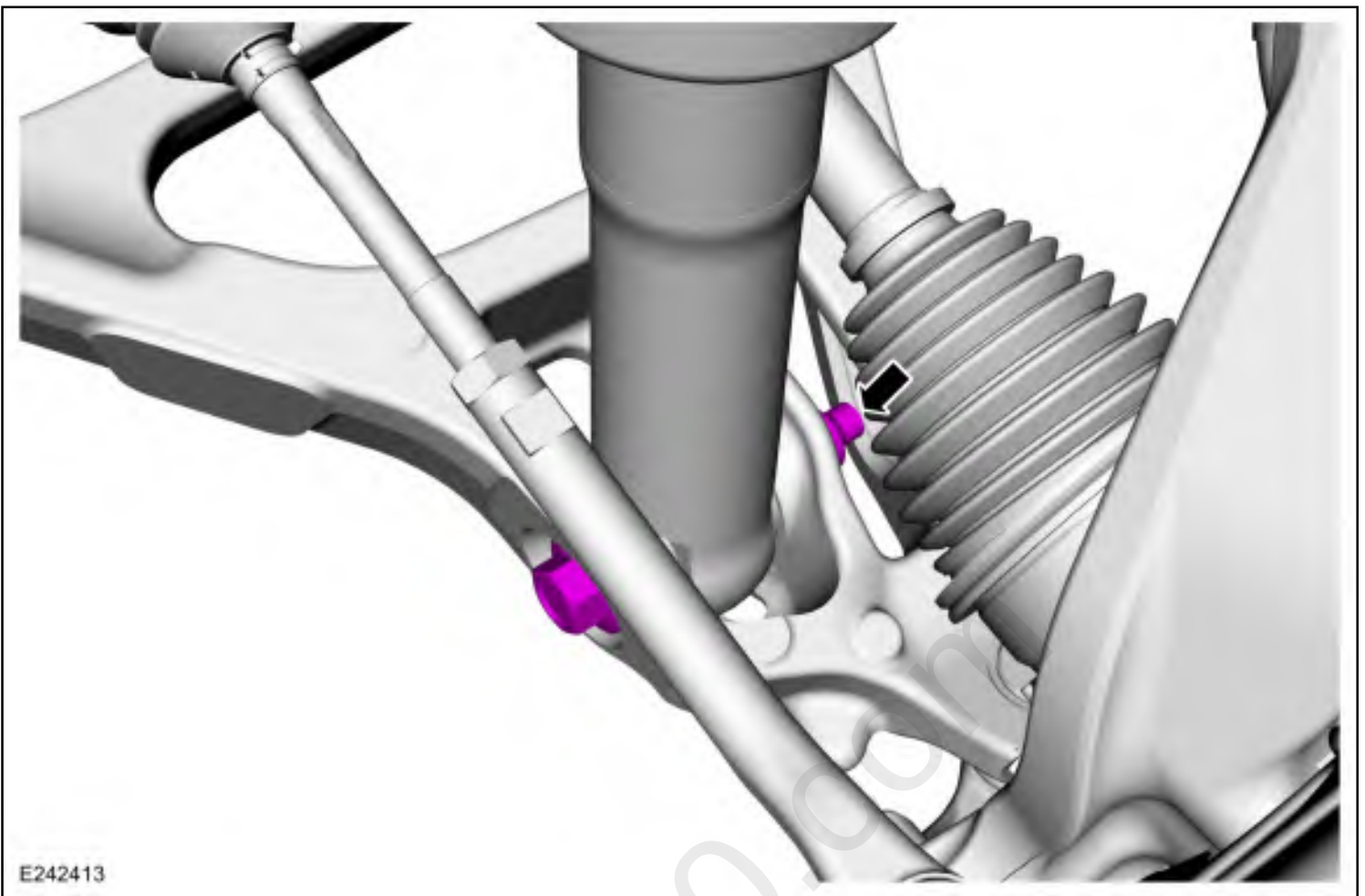
Torque: 258 lb.ft (350 Nm)



8. **NOTICE:** Tighten the lower shock nut and bolt with the weight of the vehicle resting on the wheel and tire assemblies or incorrect clamp load and bushing damage may occur.

Tighten the new lower shock absorber nut and bolt.

Torque: 406 lb.ft (550 Nm)



9. Install the wheel and tire.

Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).

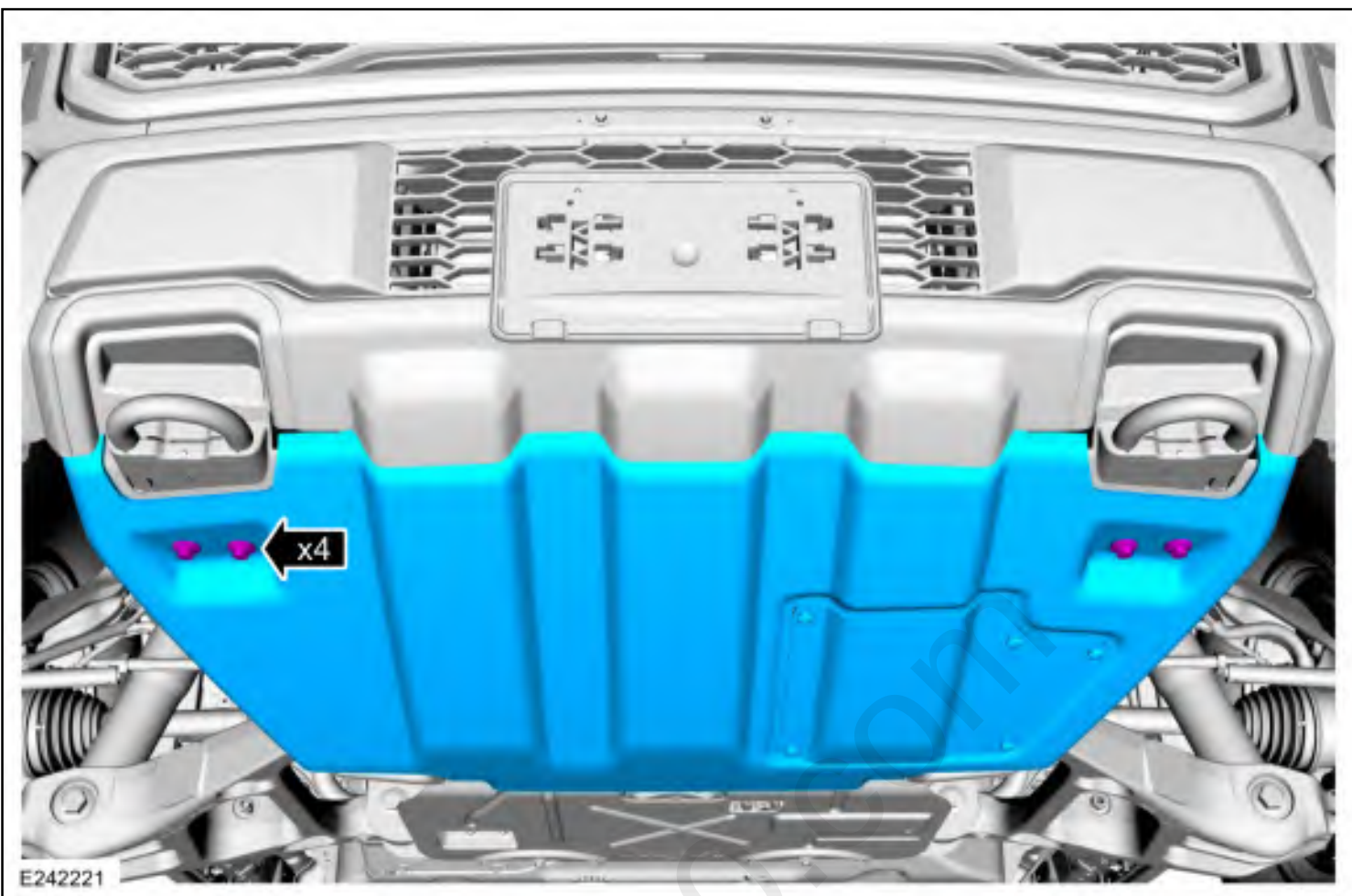
10. Check and if necessary adjust front camber.

Refer to: [Front Camber and Caster Adjustment](#) (204-00 Suspension System - General Information, General Procedures).

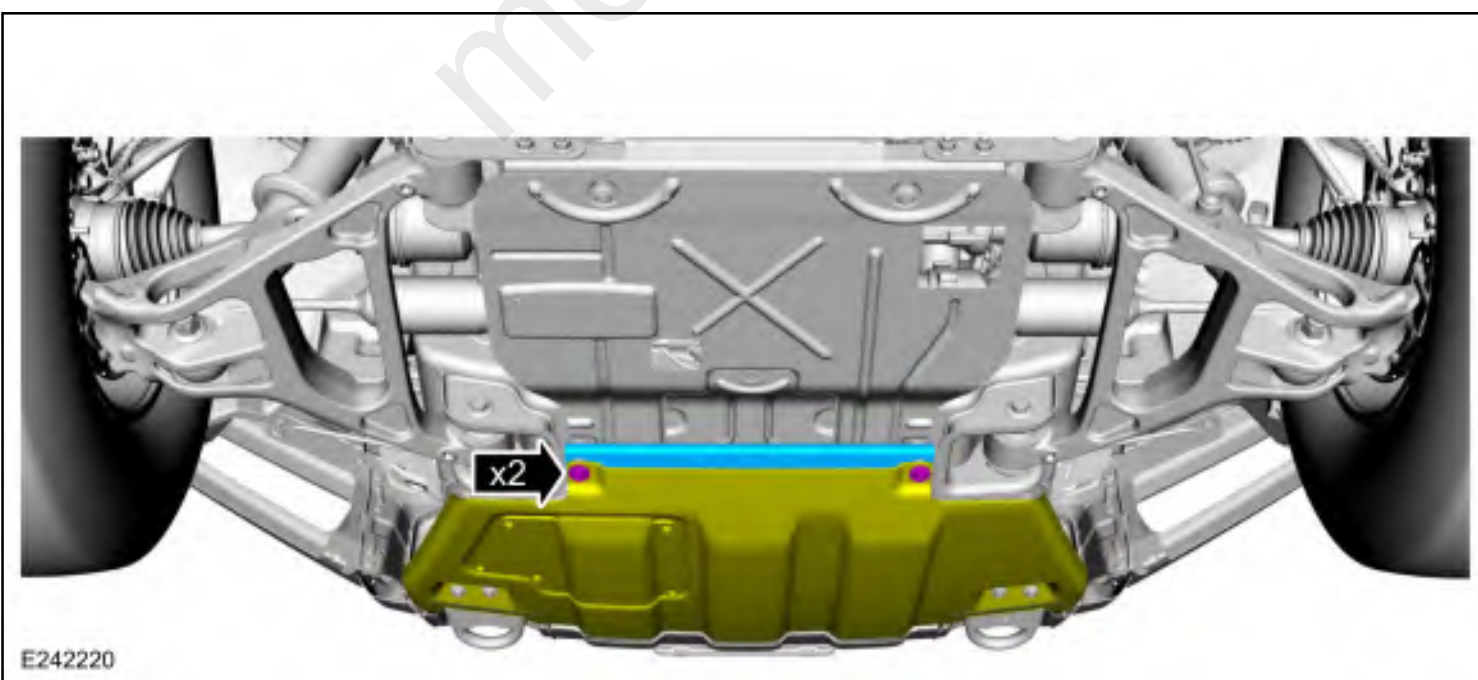
11. If equipped.

Position the skid plate and install the retainers.

Torque: 35 lb.ft (48 Nm)



12. If equipped.
Position the spacer and install the skid plate rear retainers.
Torque: 41 lb.ft (55 Nm)



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